

KEY MAP OF MARYLAND



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Expiration: 03/31/07

MD 32 PLANNING STUDY MD 108 TO I-70

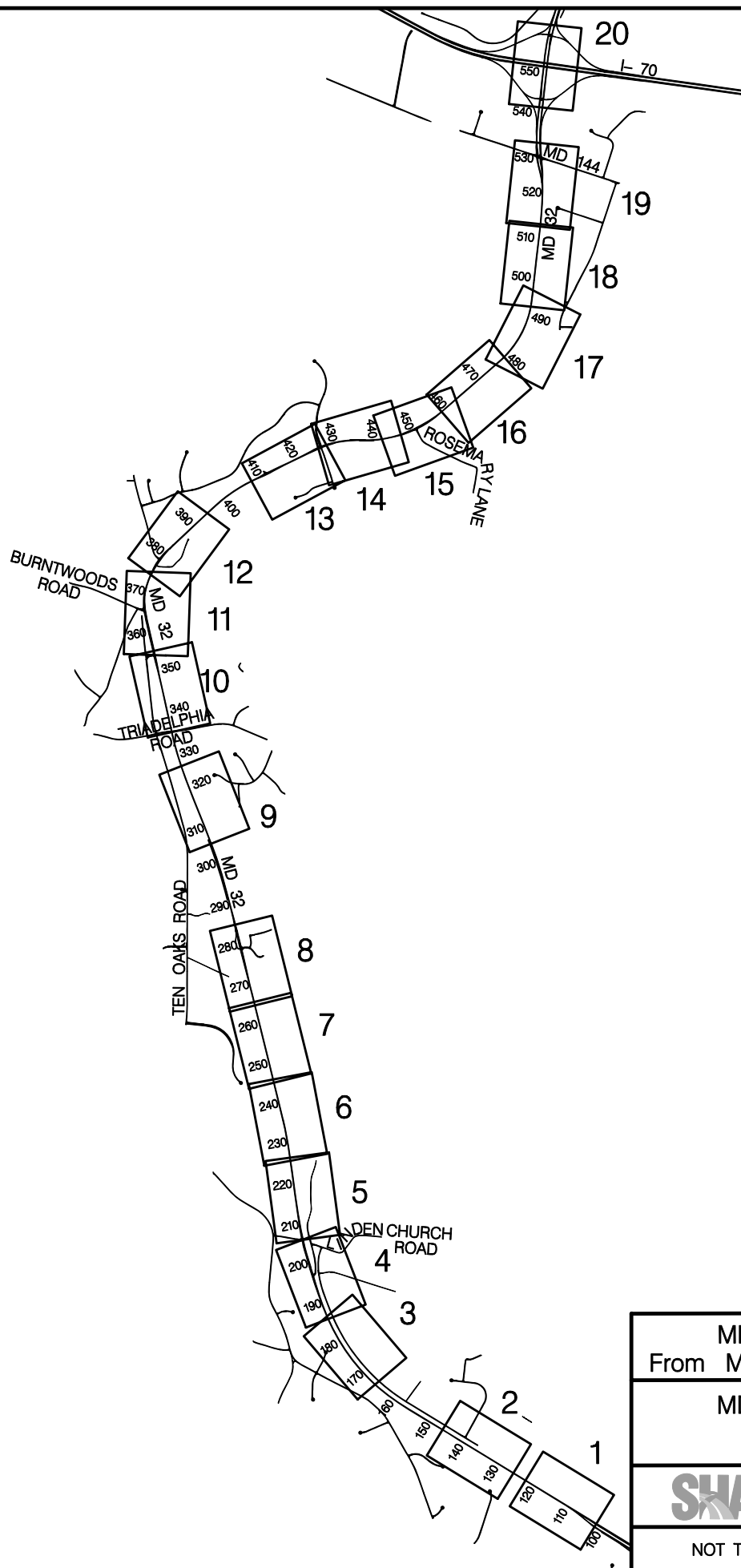
Vicinity Map



Maryland
State Highway
Administration

June 2006

Figure
S-2



MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

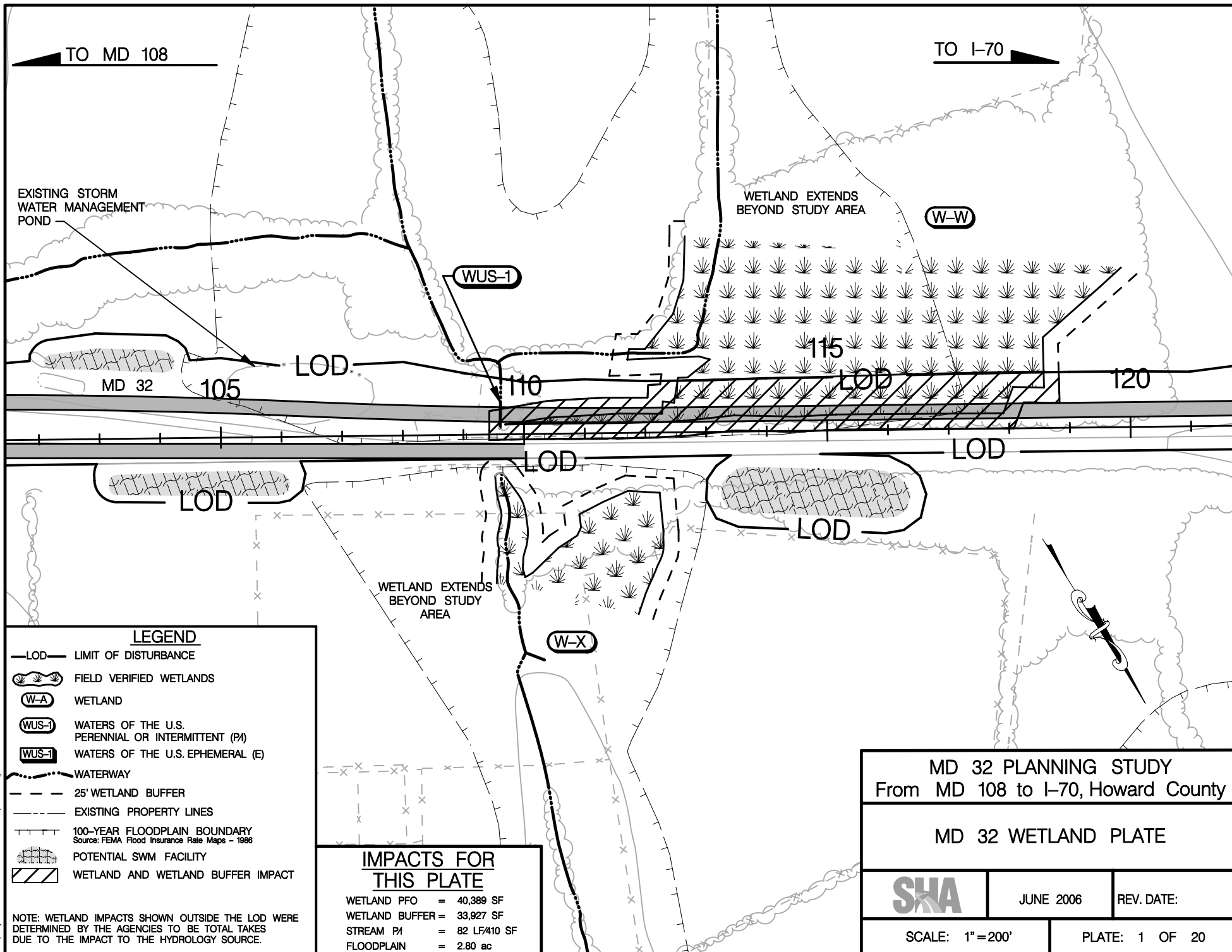
MD 32 WETLAND PLATES
KEY MAP



DATE: JUNE 2006

REV. DATE:

NOT TO SCALE



TO MD 108

TO I-70

EXISTING STORM
WATER MANAGEMENT
POND

WETLAND EXTENDS
BEYOND STUDY AREA

W-W

WUS-1

MD 32

105

LOD

110

115

LOD

120

LOD

LOD

LOD

WETLAND EXTENDS
BEYOND STUDY
AREA

W-X

LEGEND

- LOD — LIMIT OF DISTURBANCE
- FIELD VERIFIED WETLANDS
- WETLAND
- WATERS OF THE U.S.
PERENNIAL OR INTERMITTENT (P/I)
- WATERS OF THE U.S. EPHEMERAL (E)
- WATERWAY
- - - 25' WETLAND BUFFER
- - - EXISTING PROPERTY LINES
- - - 100-YEAR FLOODPLAIN BOUNDARY
Source: FEMA Flood Insurance Rate Maps - 1986
- POTENTIAL SWM FACILITY
- WETLAND AND WETLAND BUFFER IMPACT

IMPACTS FOR THIS PLATE

WETLAND PFO = 40,389 SF
WETLAND BUFFER = 33,927 SF
STREAM PI = 82 LF/410 SF
FLOODPLAIN = 2.80 ac

NOTE: WETLAND IMPACTS SHOWN OUTSIDE THE LOD WERE
DETERMINED BY THE AGENCIES TO BE TOTAL TAKES
DUE TO THE IMPACT TO THE HYDROLOGY SOURCE.

MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

MD 32 WETLAND PLATE

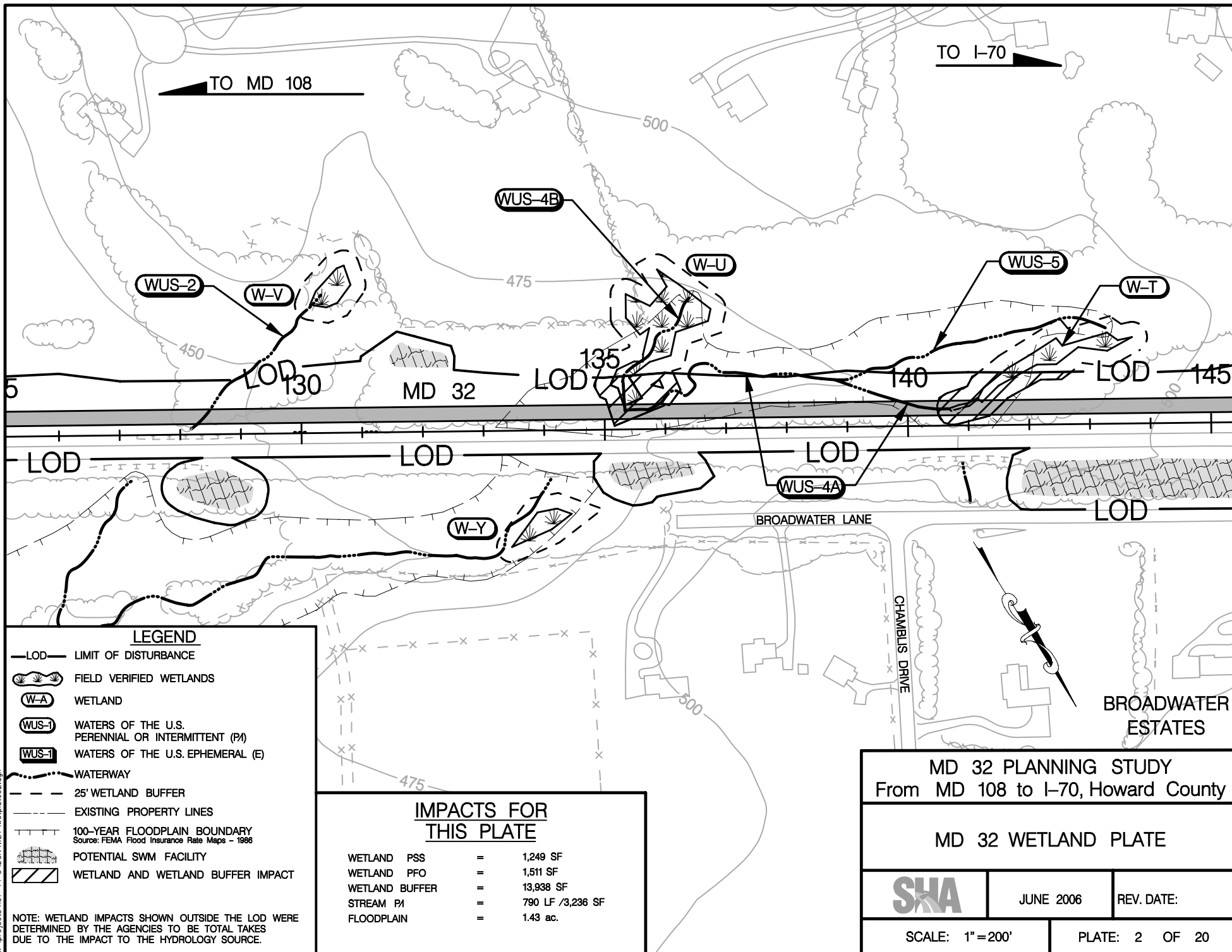
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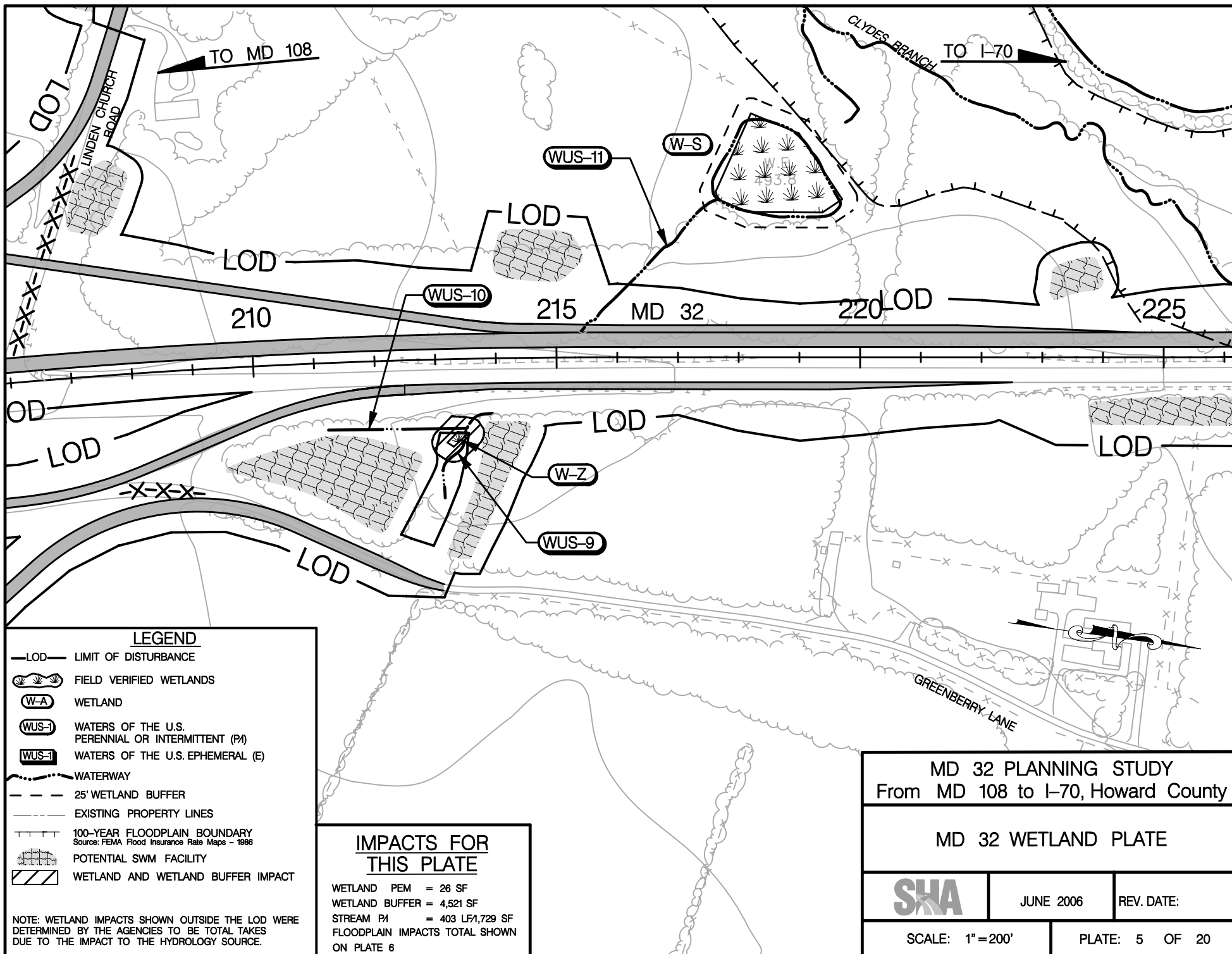
JUNE 2006

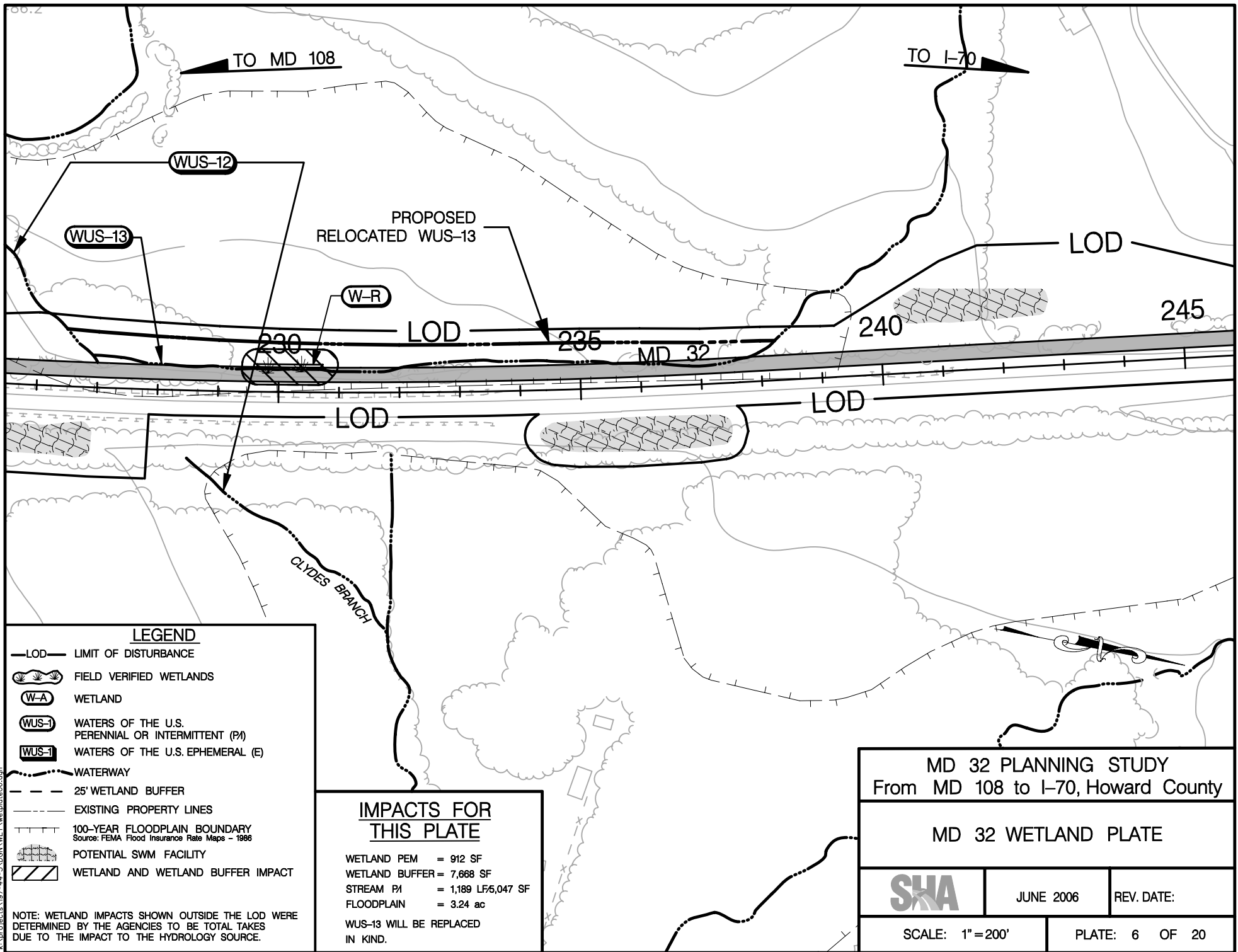
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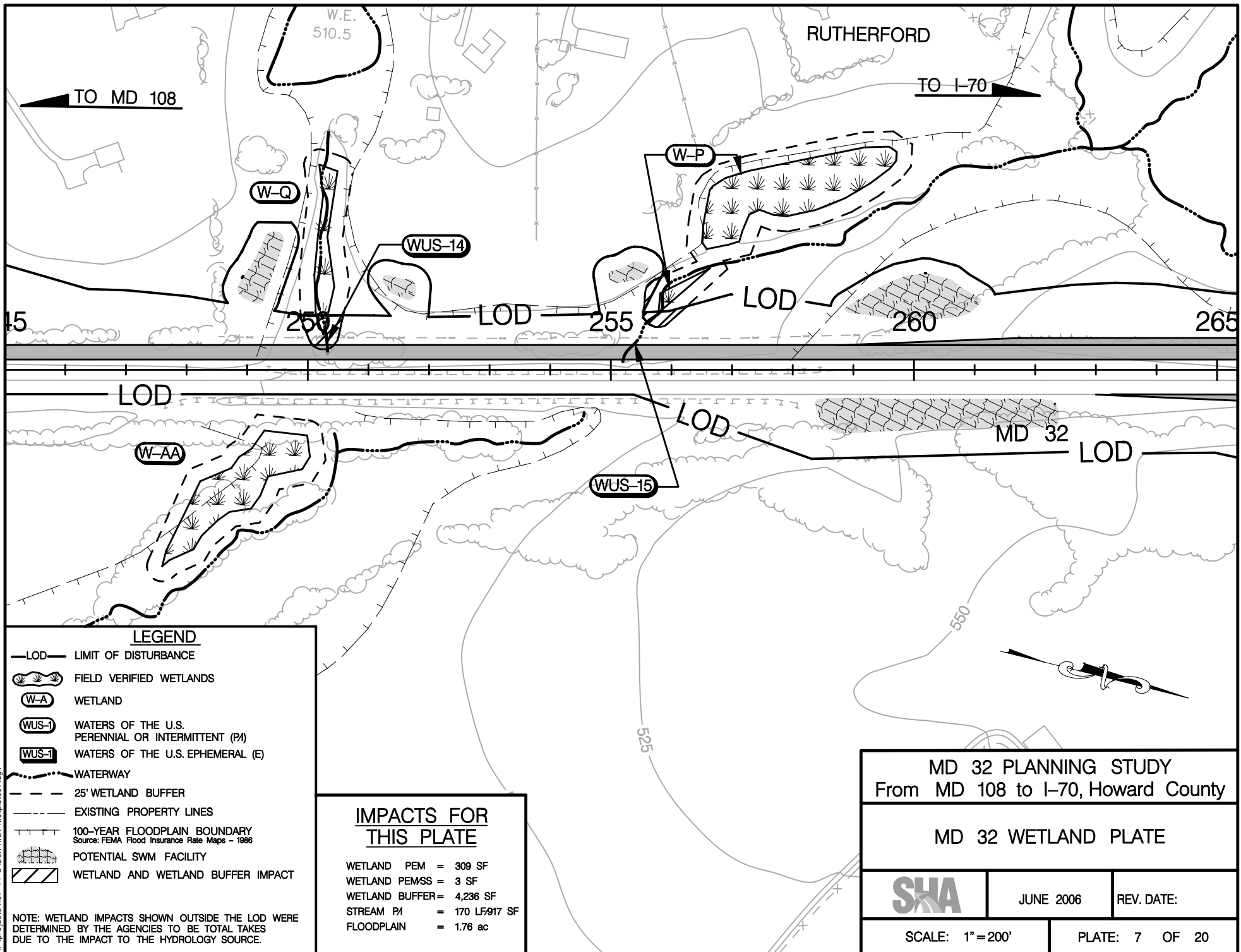
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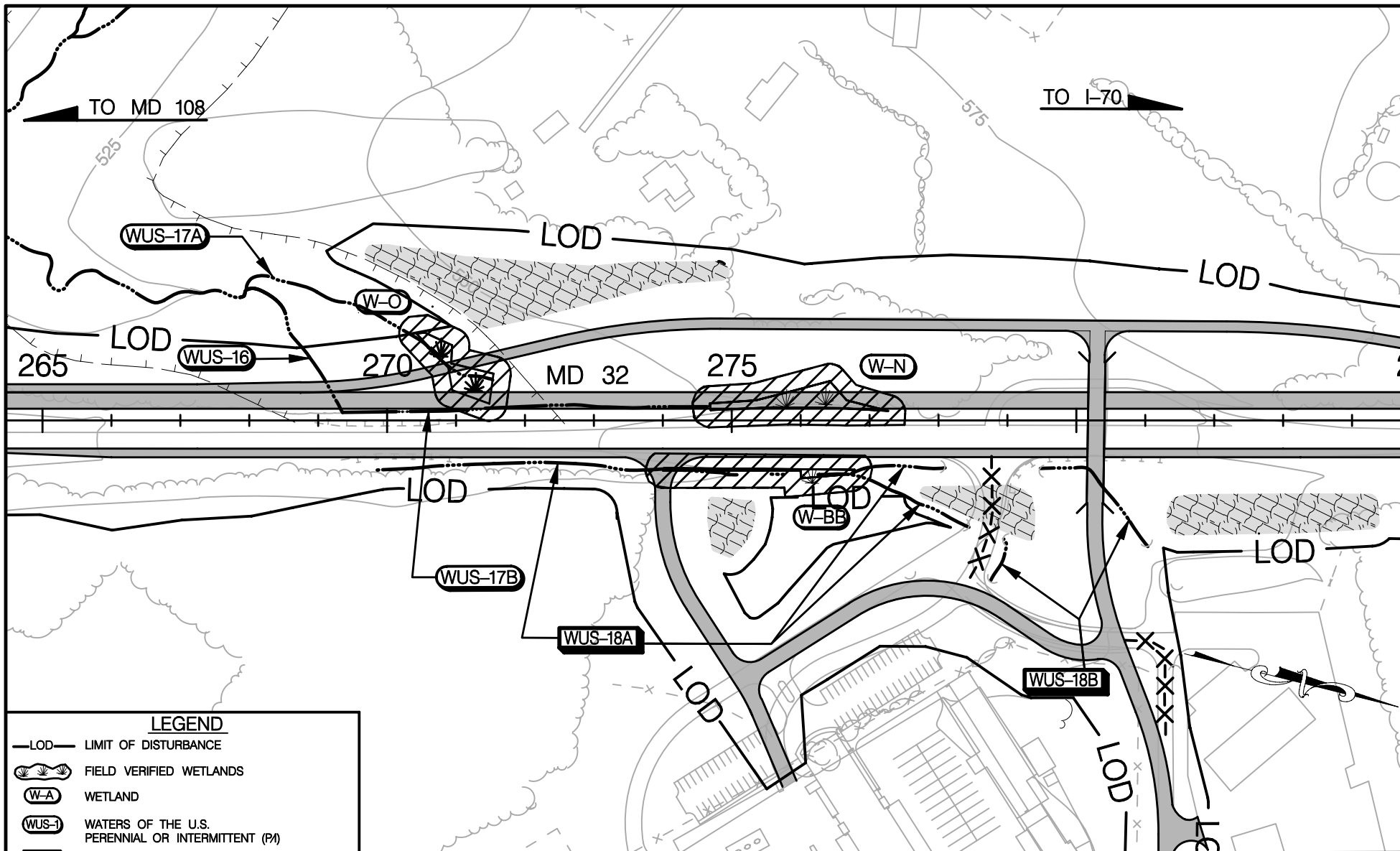
PLATE: 1 OF 20











LEGEND

- LOD — LIMIT OF DISTURBANCE
- FIELD VERIFIED WETLANDS
- WETLAND
- WATERS OF THE U.S. PERENNIAL OR INTERMITTENT (P/I)
- WATERS OF THE U.S. EPHEMERAL (E)
- WATERWAY
- - - 25' WETLAND BUFFER
- - - EXISTING PROPERTY LINES
- 100-YEAR FLOODPLAIN BOUNDARY
Source: FEMA Flood Insurance Rate Maps - 1986
- POTENTIAL SWM FACILITY
- WETLAND AND WETLAND BUFFER IMPACT

NOTE: WETLAND IMPACTS SHOWN OUTSIDE THE LOD WERE DETERMINED BY THE AGENCIES TO BE TOTAL TAKES DUE TO THE IMPACT TO THE HYDROLOGY SOURCE.

IMPACTS FOR THIS PLATE

WETLAND PEM	=	9,139 SF
WETLAND BUFFER	=	40,903 SF
STREAM P/I	=	787 LF2,052 SF
STREAM E	=	1,300 LF2,317 SF
FLOODPLAIN	=	1.47 ac

MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

MD 32 WETLAND PLATE

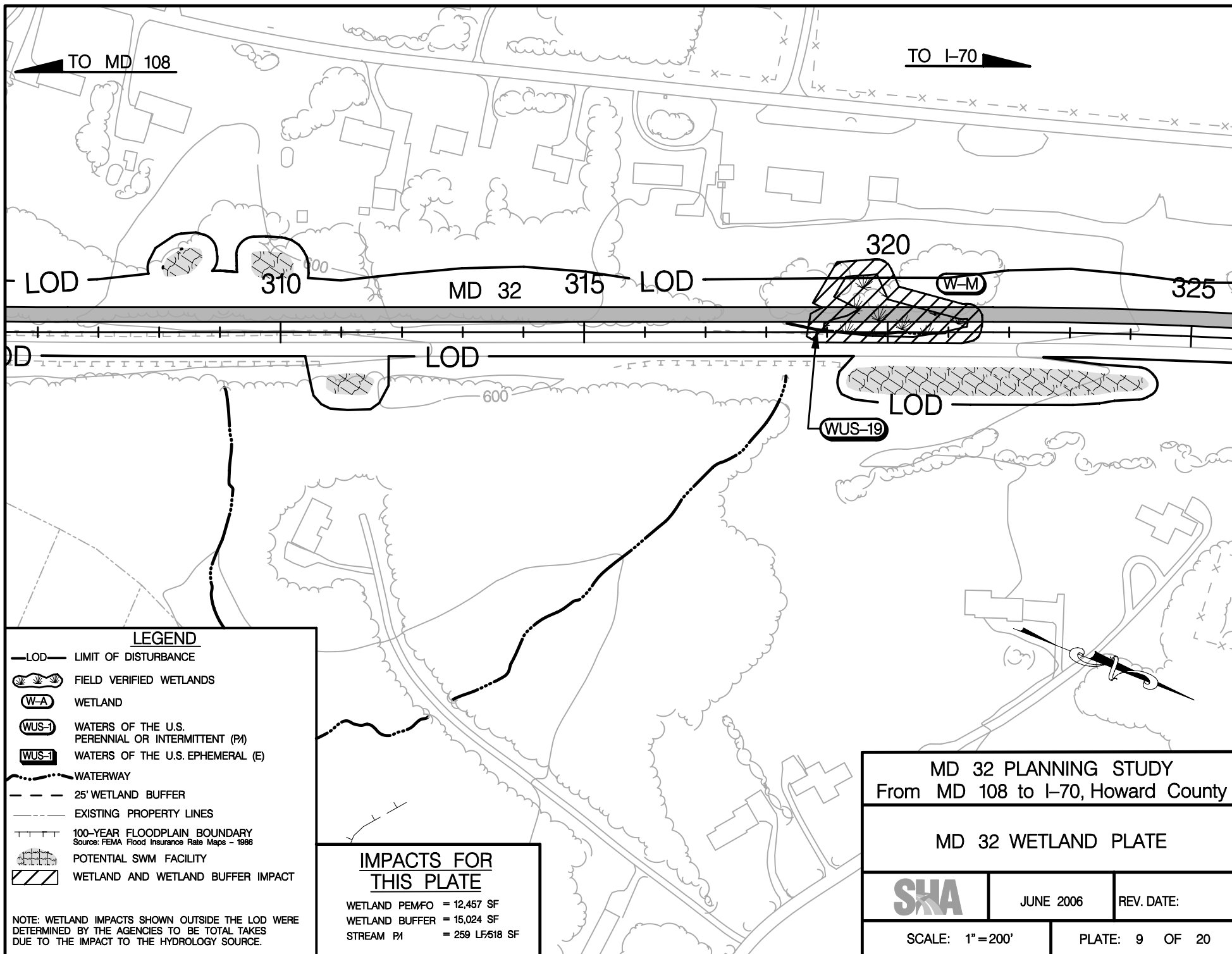


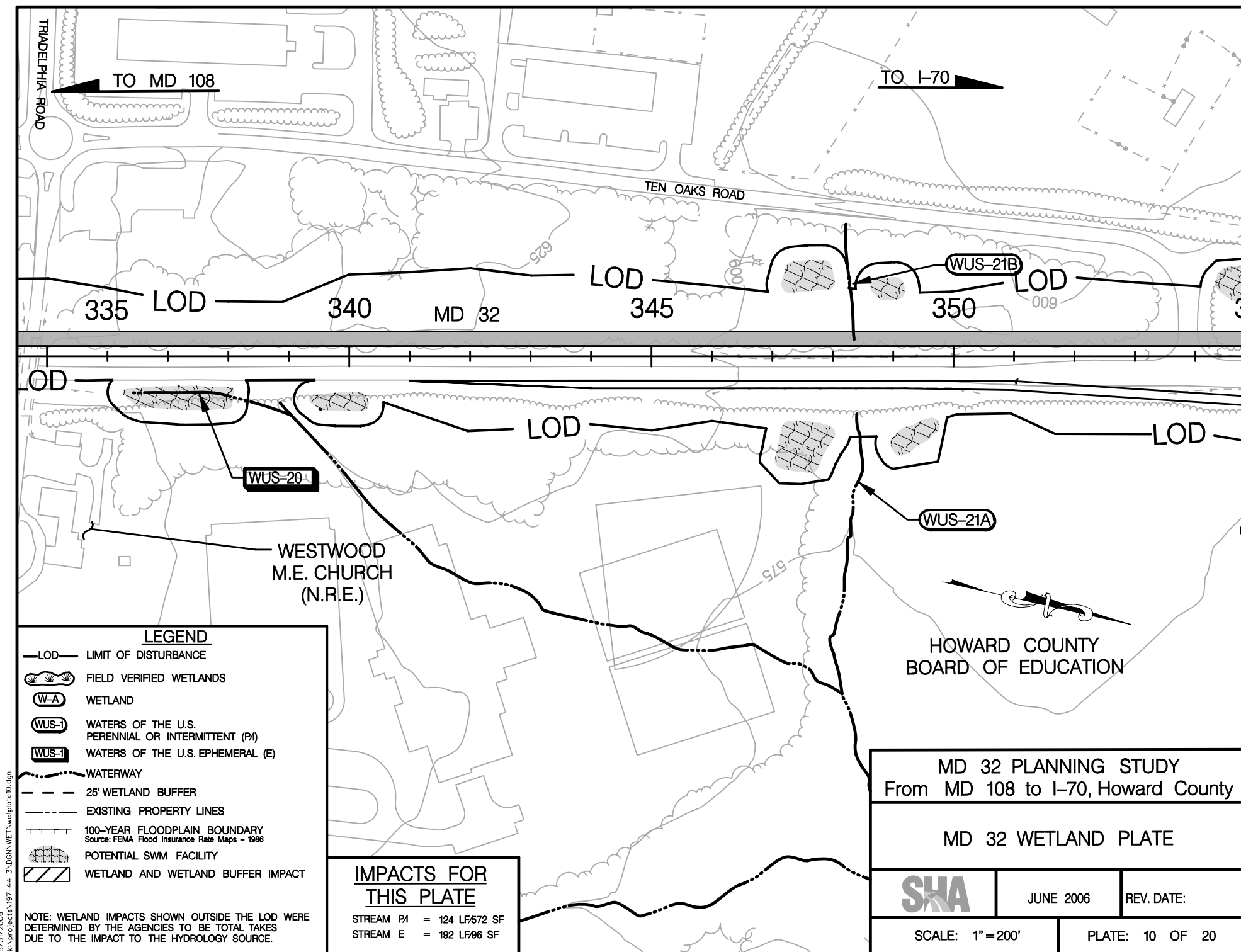
JUNE 2006

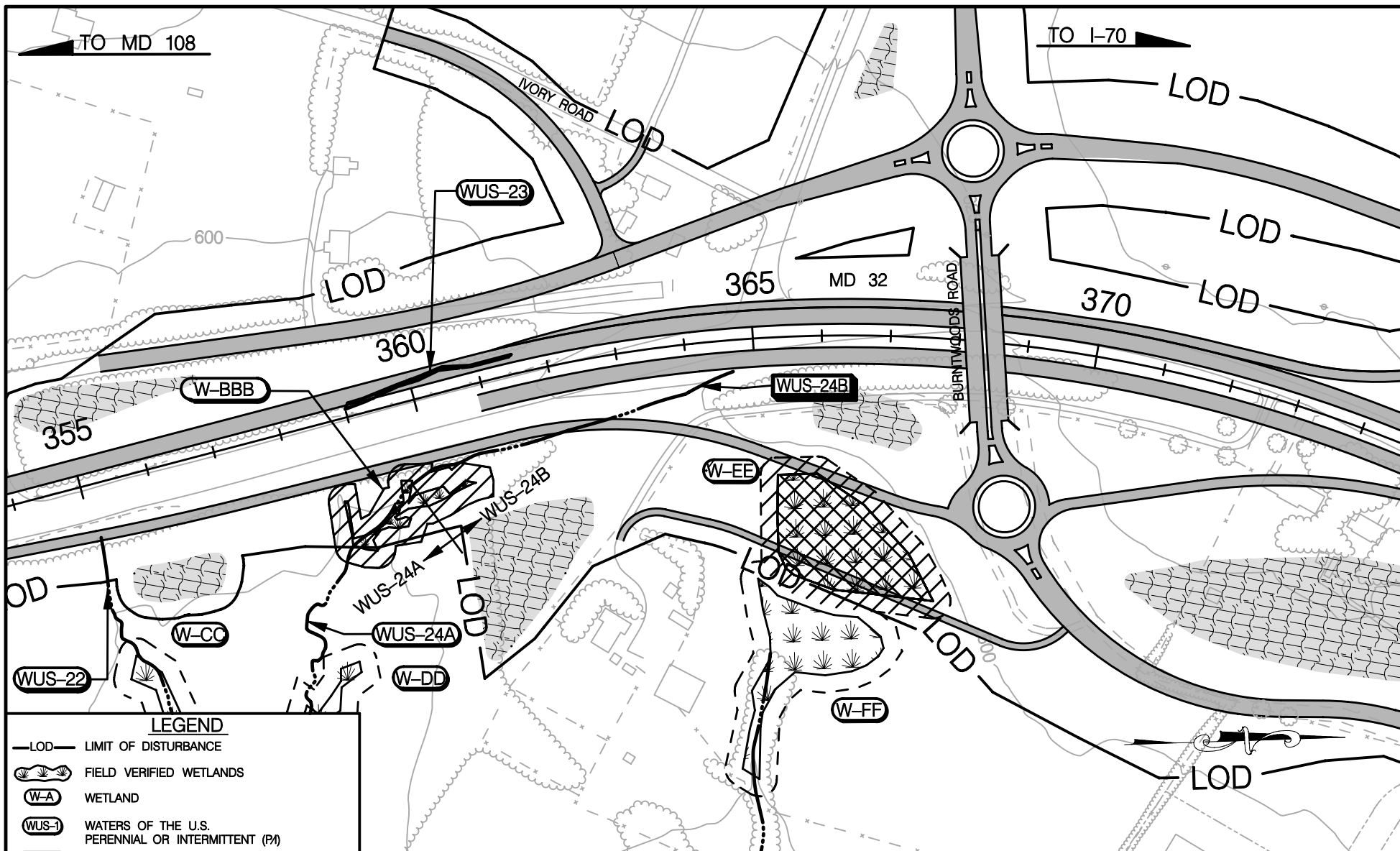
REV. DATE:

SCALE: 1" = 200'

PLATE: 8 OF 20







LEGEND

- LOD — LIMIT OF DISTURBANCE
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- WATERS OF THE U.S. EPHEMERAL (E)
- WATERWAY
- 25' WETLAND BUFFER
- EXISTING PROPERTY LINES
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Source: FEMA Flood Insurance Rate Maps - 1986
- POTENTIAL SWM FACILITY
- WETLAND AND WETLAND BUFFER IMPACT

NOTE: WETLAND IMPACTS SHOWN OUTSIDE THE LOD WERE DETERMINED BY THE AGENCIES TO BE TOTAL TAKES DUE TO THE IMPACT TO THE HYDROLOGY SOURCE.

IMPACTS FOR THIS PLATE

WETLAND	PEMOW	=	25,470 SF
WETLAND	PFO	=	3,270 SF
WETLAND	BUFFER	=	36,013 SF
STREAM	P/I	=	445 LF/1,645 SF
STREAM	E	=	497 LF/994 SF

PADDOCKS
EAST
DEVELOPMENT

MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

MD 32 WETLAND PLATE

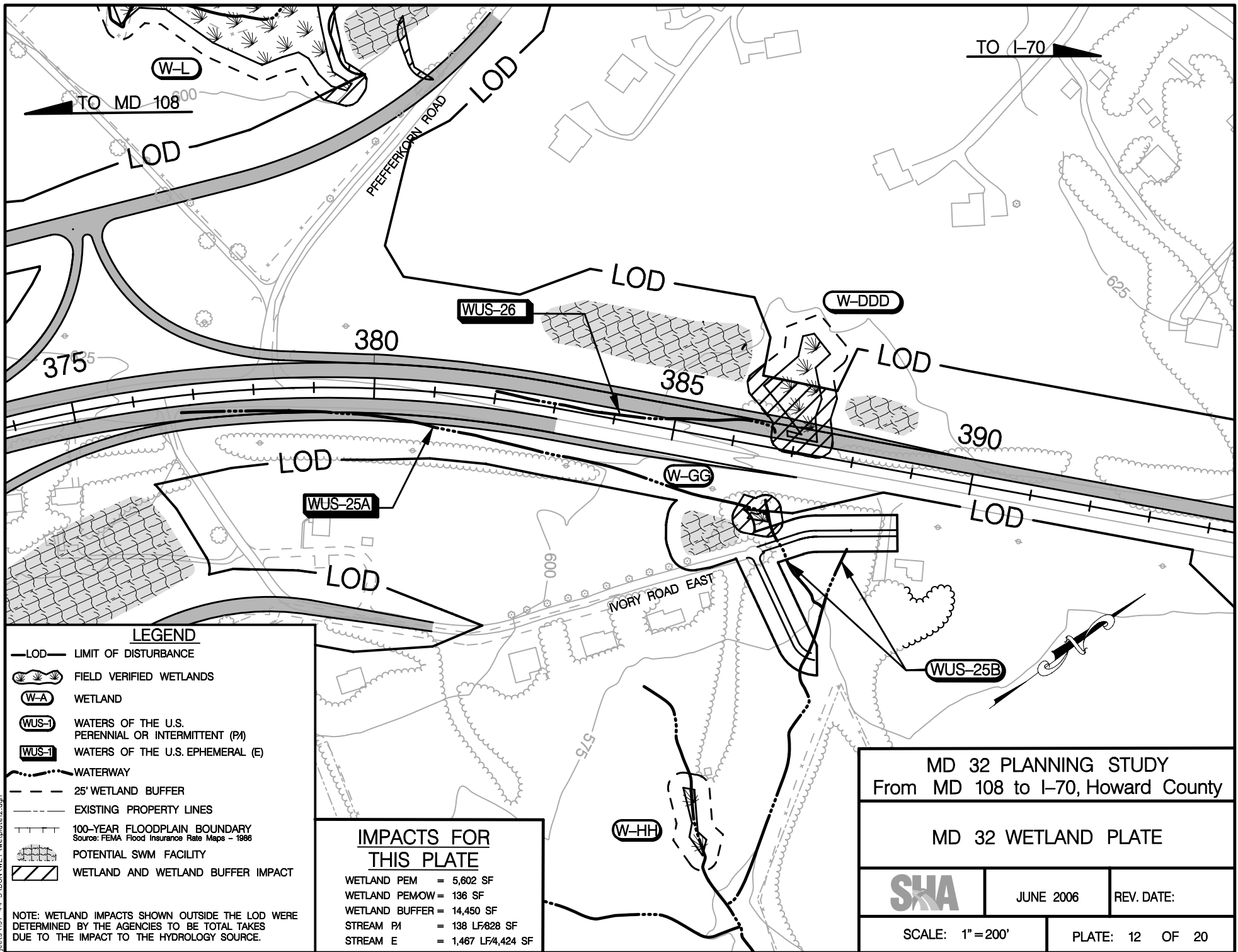


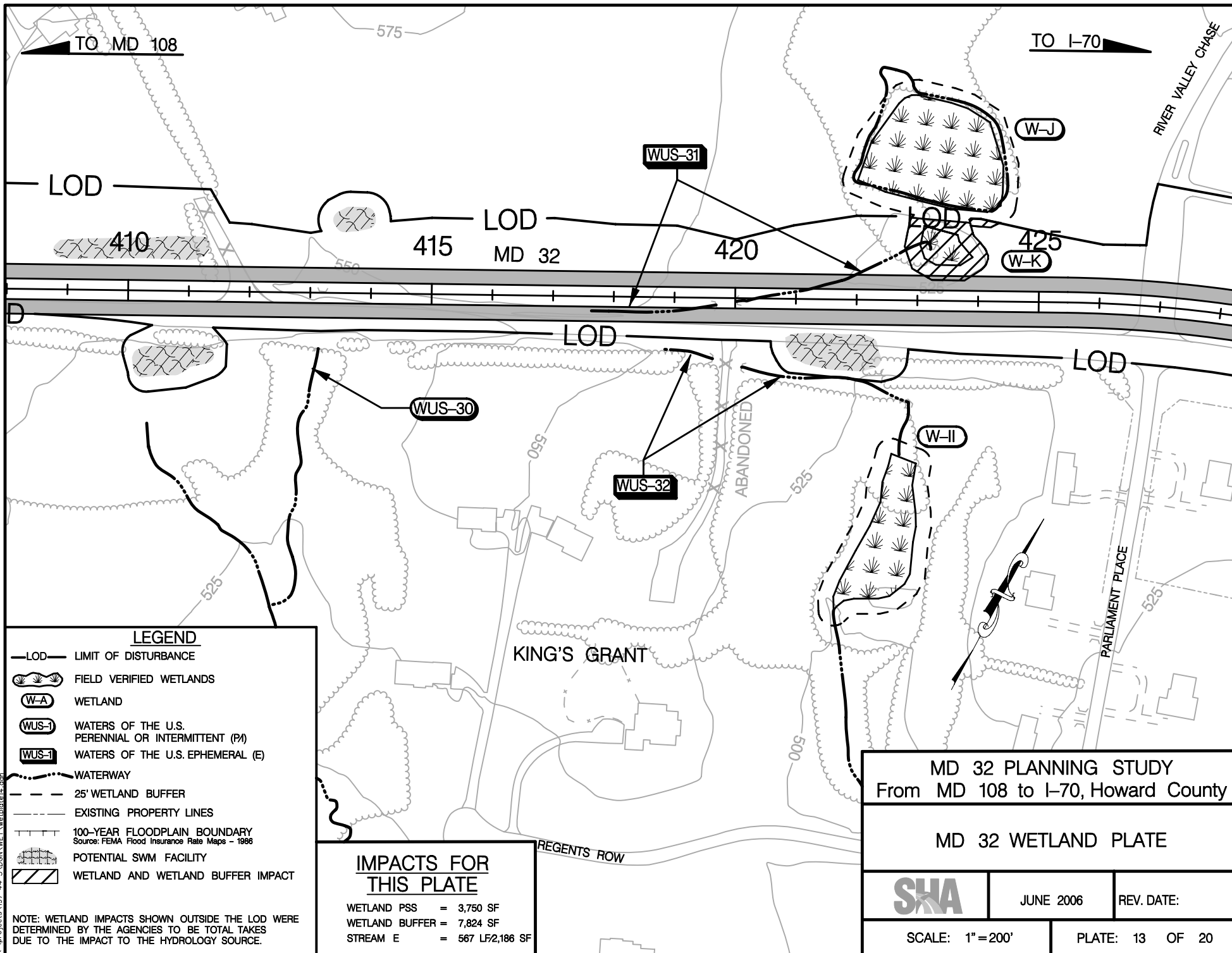
JUNE 2006

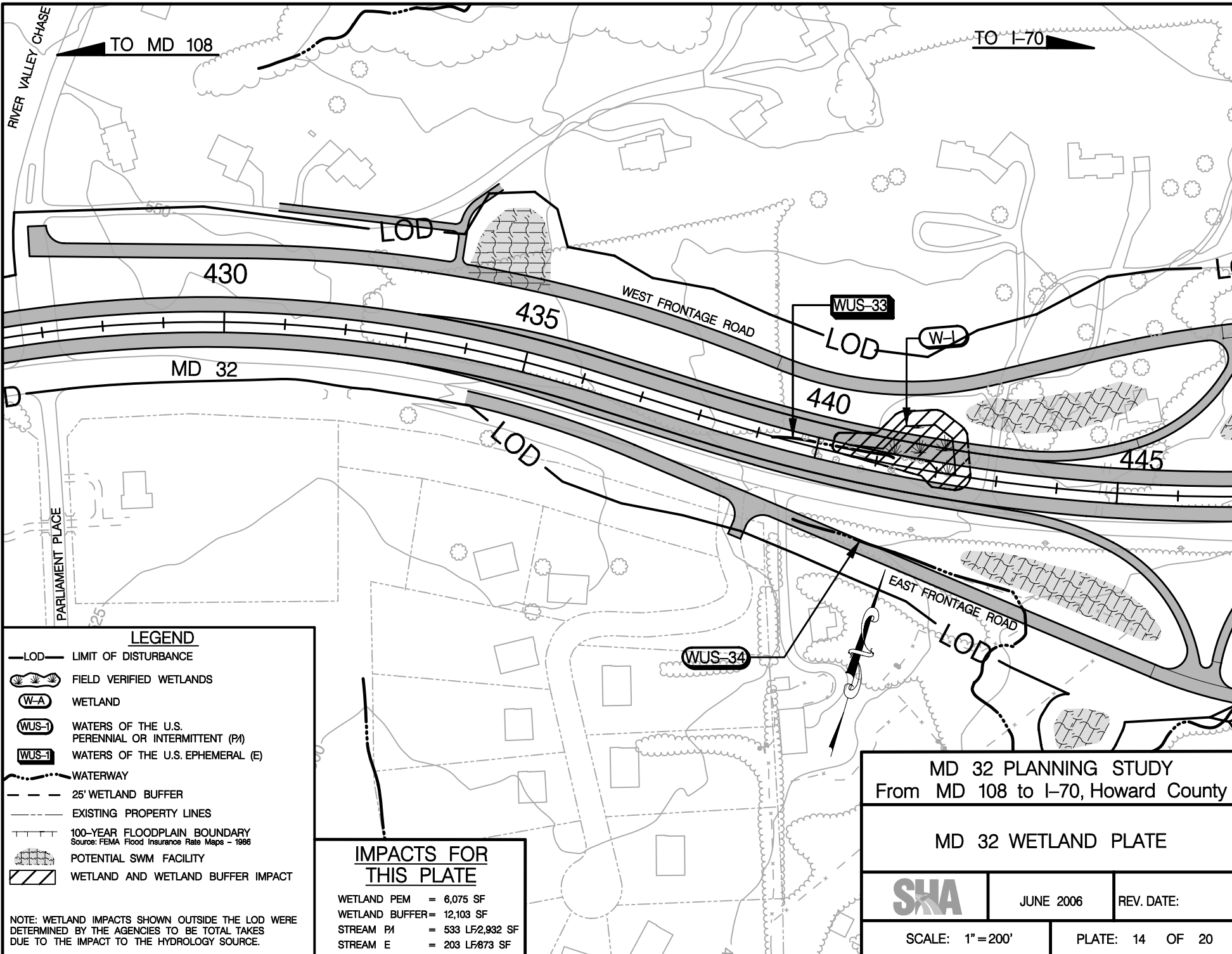
REV. DATE:

SCALE: 1" = 200'

PLATE: 11 OF 20







LEGEND

- LOD — LIMIT OF DISTURBANCE
- FIELD VERIFIED WETLANDS
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- WATERS OF THE U.S. PERENNIAL OR INTERMITTENT (P/I)
- WATERS OF THE U.S. EPHEMERAL (E)
- WATERWAY
- - - 25' WETLAND BUFFER
- - - EXISTING PROPERTY LINES
- - - 100-YEAR FLOODPLAIN BOUNDARY
Source: FEMA Flood Insurance Rate Maps - 1996
- POTENTIAL SWM FACILITY
- WETLAND AND WETLAND BUFFER IMPACT

IMPACTS FOR THIS PLATE

WETLAND PEM = 6,075 SF
WETLAND BUFFER = 12,103 SF
STREAM P/I = 533 LF/2,932 SF
STREAM E = 203 LF/873 SF

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MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

MD 32 WETLAND PLATE

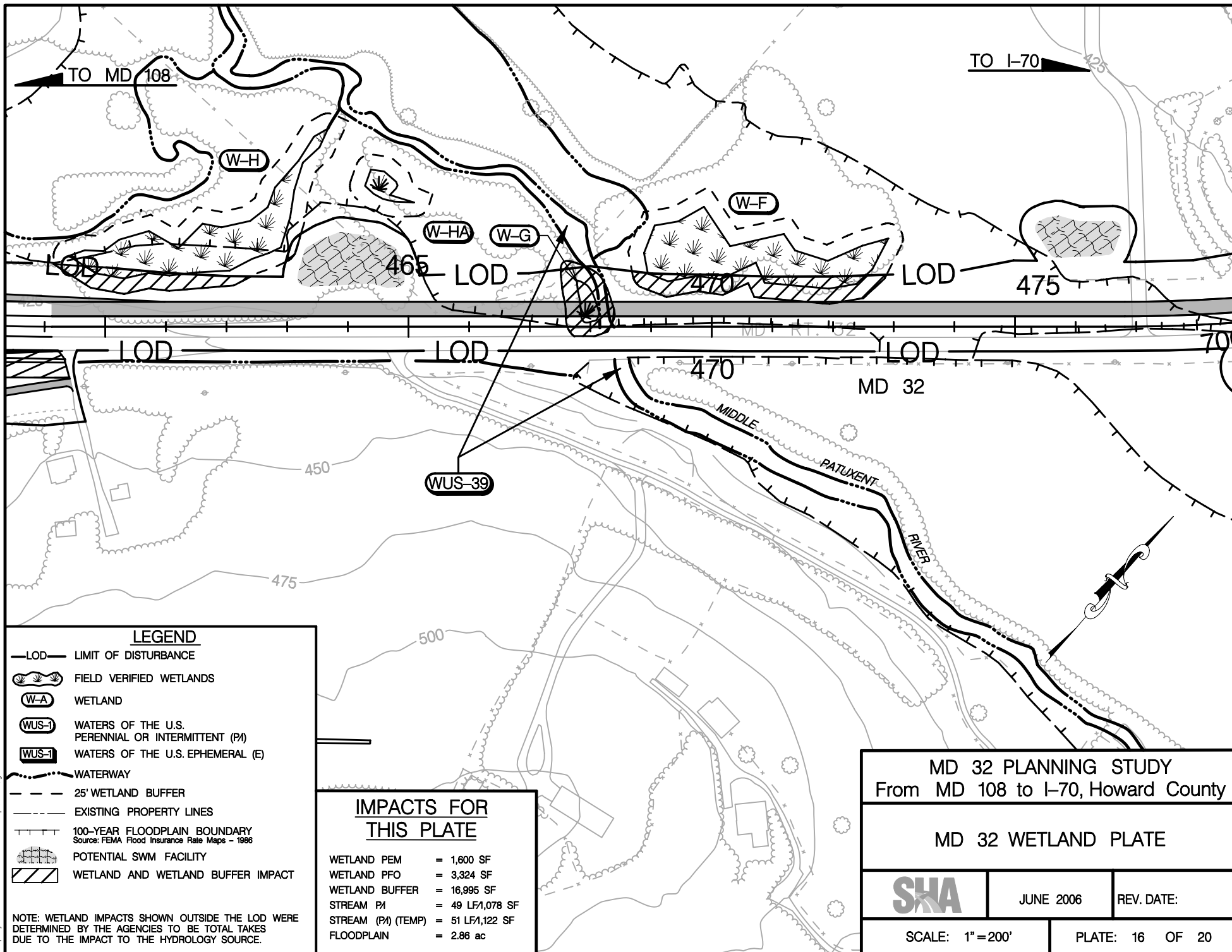
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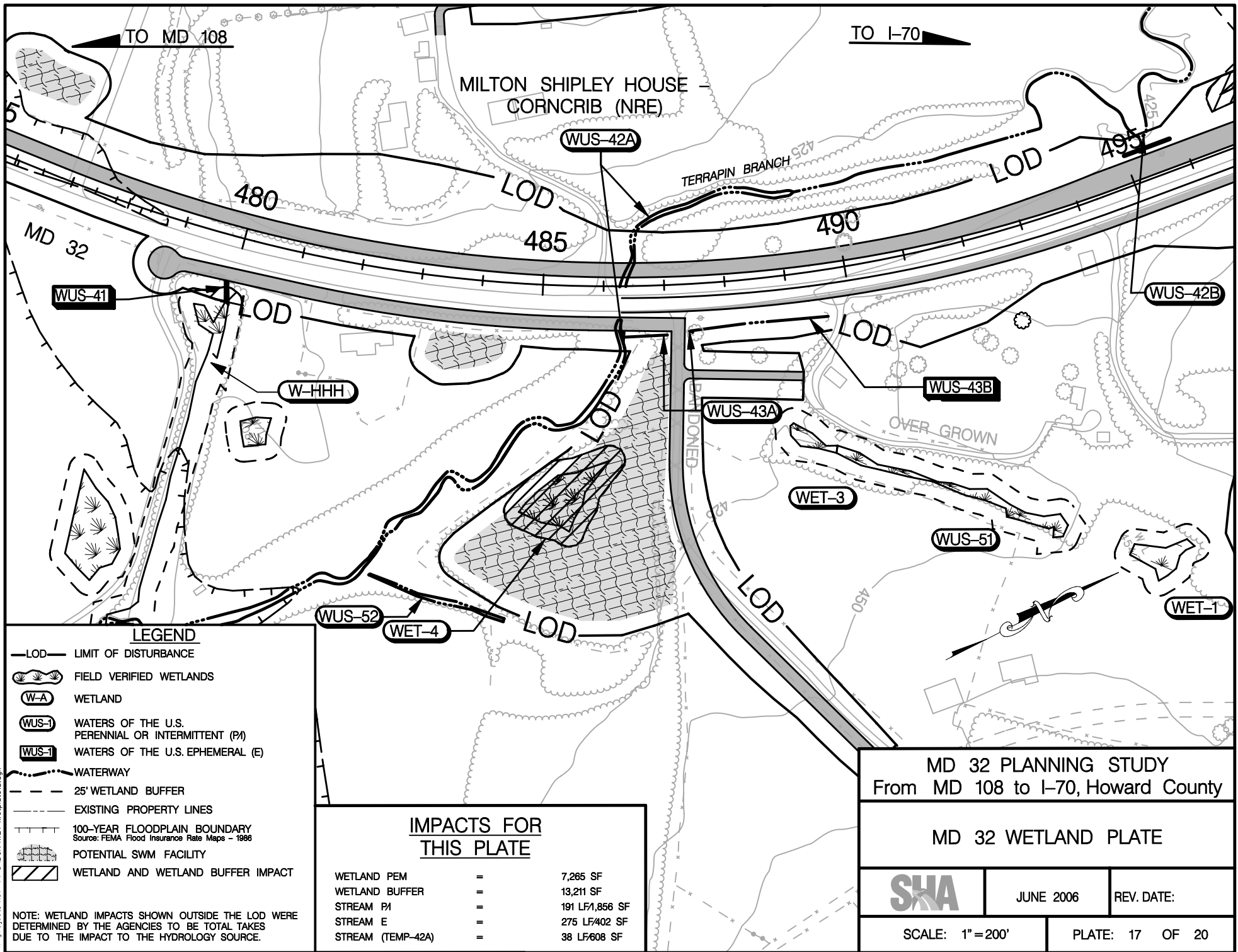
JUNE 2006

REV. DATE:

SCALE: 1" = 200'

PLATE: 14 OF 20





LEGEND

- LOD — LIMIT OF DISTURBANCE
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- WATERS OF THE U.S. EPHEMERAL (E)
- WATERWAY
- 25' WETLAND BUFFER
- EXISTING PROPERTY LINES
- 100-YEAR FLOODPLAIN BOUNDARY
Source: FEMA Flood Insurance Rate Maps - 1996
- POTENTIAL SWM FACILITY
- WETLAND AND WETLAND BUFFER IMPACT

IMPACTS FOR THIS PLATE

WETLAND PEM	=	7,265 SF
WETLAND BUFFER	=	13,211 SF
STREAM P/I	=	191 LF/1,856 SF
STREAM E	=	275 LF/402 SF
STREAM (TEMP-42A)	=	38 LF/608 SF

NOTE: WETLAND IMPACTS SHOWN OUTSIDE THE LOD WERE DETERMINED BY THE AGENCIES TO BE TOTAL TAKES DUE TO THE IMPACT TO THE HYDROLOGY SOURCE.

MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

MD 32 WETLAND PLATE

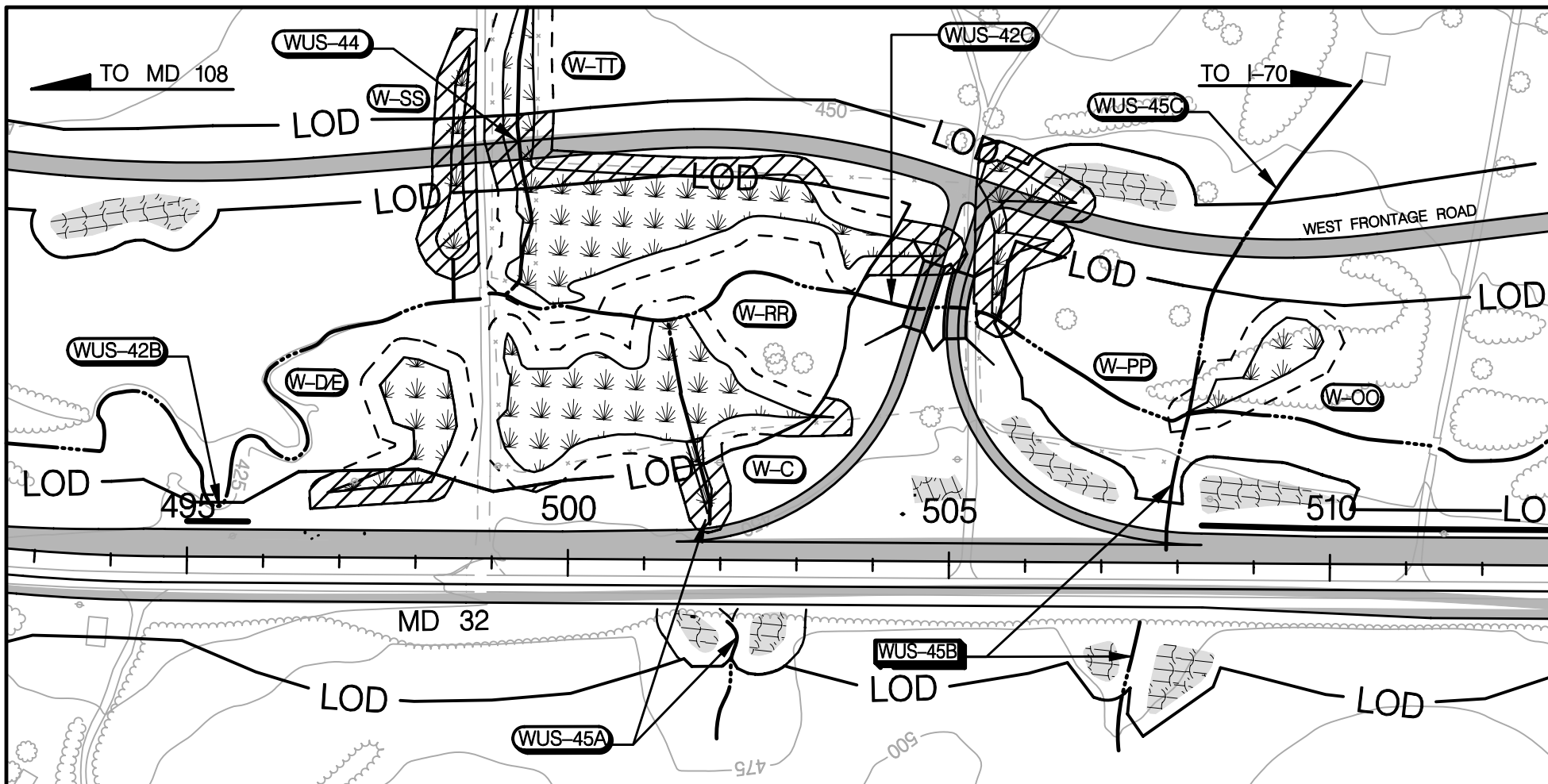


JUNE 2006

REV. DATE:

SCALE: 1" = 200'

PLATE: 17 OF 20



LEGEND

- LOD — LIMIT OF DISTURBANCE
- FIELD VERIFIED WETLANDS
- WETLAND
- WATERS OF THE U.S. PERENNIAL OR INTERMITTENT (P/I)
- WATERS OF THE U.S. EPHEMERAL (E)
- WATERWAY
- 25' WETLAND BUFFER
- EXISTING PROPERTY LINES
- 100-YEAR FLOODPLAIN BOUNDARY
Source: FEMA Flood Insurance Rate Maps - 1986
- POTENTIAL SWM FACILITY
- WETLAND AND WETLAND BUFFER IMPACT

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IMPACTS FOR THIS PLATE

WETLAND	PEM	=	19,915 SF
WETLAND	PSS	=	1,975 SF
WETLAND BUFFER		=	62,565 SF
STREAM	P/I	=	467 LF/3,242 SF
STREAM	(TEMP) (WUS-42C)	=	112 LF/2,240 SF
STREAM	E	=	161 LF/966 SF

MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

MD 32 WETLAND PLATE

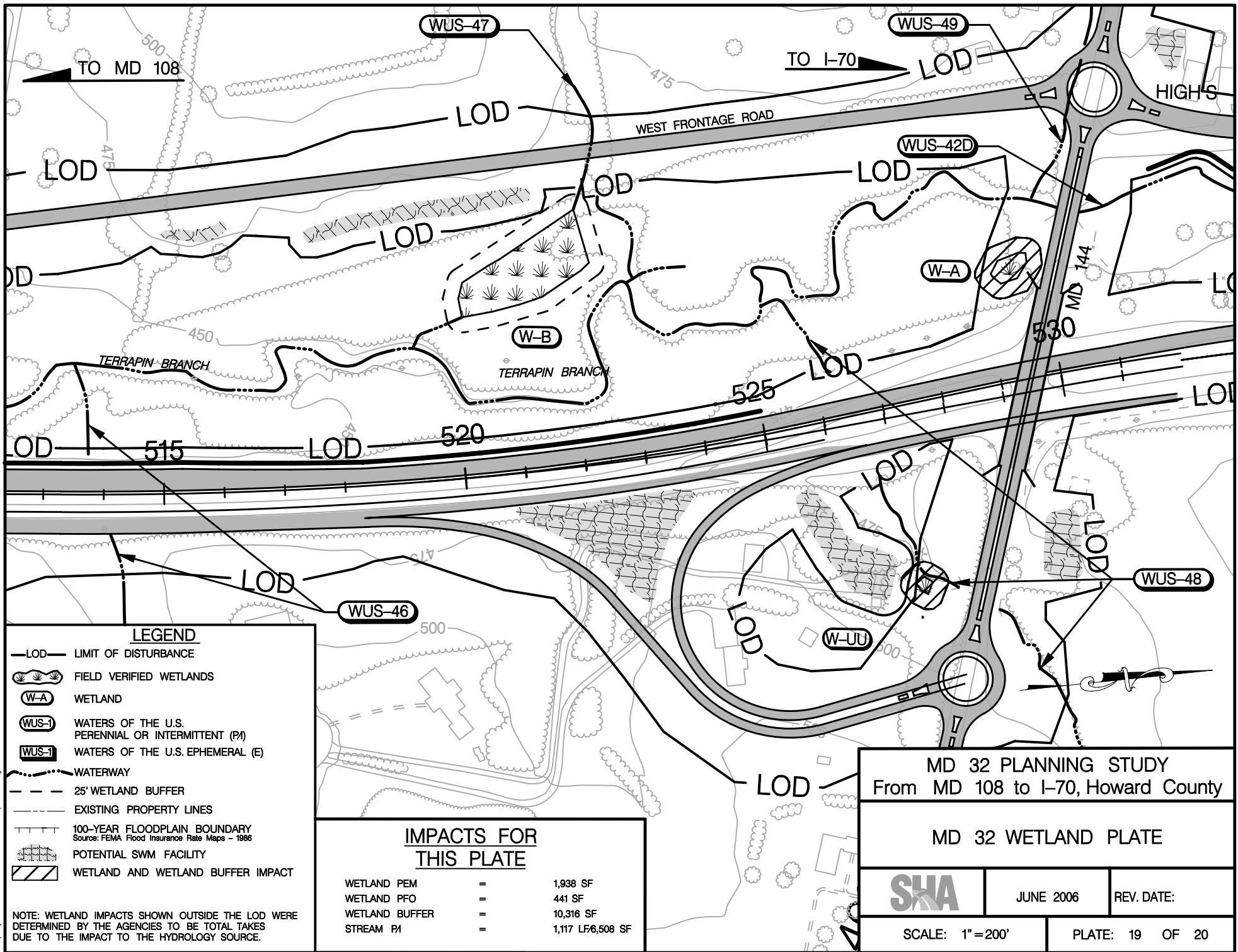
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JUNE 2006

REV. DATE:

SCALE: 1" = 200'

PLATE: 18 OF 20













IMPACTS FOR THIS PLATE

WETLAND PFO = 7,736 SF
WETLAND BUFFER = 9,546 SF
STREAM PFI = 444 LF/1,768 SF
STREAM(TEMP) (WUS-42F) = 249 LF/996 SF

LIMIT OF
PROJECT

LEGEND

- LOD — LIMIT OF DISTURBANCE
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-  WETLAND
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MD 32 PLANNING STUDY
From MD 108 to I-70, Howard County

MD 32 WETLAND PLATE

SHA

JUNE 2006

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PLATE: 20 OF 20